

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Cancelled)

2. (Currently Amended) A sensor sheet comprising:

a plurality of sensors arranged in a matrix;

an elastic supporting member configured to partition at least two of the plurality of sensors from each other; and

a cover layer configured to cover the plurality of sensors,

wherein at least one of the plurality of sensors comprises:

a plurality of first electrodes corresponding to a plurality of directions, respectively;

a second electrode supported by the elastic supporting member and facing the plurality of first electrodes such that capacitance elements are formed by the plurality of first electrodes and the second electrode, wherein the second electrode is configured to be displaceable toward the plurality of first electrodes when an external force is applied thereto; and

a core member is disposed between the cover layer and the second electrode and formed of rigid material arranged to permit independent movement thereof, wherein the core member is individual to the at least one of the plurality of sensors;

wherein the at least one of the plurality of sensors is capable of identifying the external force in a multidimensional direction based ~~on the basis of~~ detection of changes in

capacitance of the capacitance elements caused by changes in distances between the plurality of first electrodes and the second electrode, and wherein distribution of force applied to the cover layer is identified based ~~on the basis of~~ the forces identified by at least two of the plurality of the sensors.

3. (Previously Presented) The sensor sheet according to Claim 2, wherein the at least one of the plurality sensors further comprises a third electrode grounded and arranged in a proximity of the first electrodes, wherein the second electrode contacts the third electrode when the external force is applied thereto, and wherein a signal is input to the plurality of first electrodes when the second electrode and the third electrode are in contact with each other.

4. (Currently Amended) A sensor sheet comprising:
a plurality of sensors arranged in a matrix;
an elastic supporting member configured to partition at least two of the plurality of sensors from each other; and
a cover layer configured to cover the plurality of sensors,
wherein at least one of the plurality of sensors comprises:
a plurality of first electrodes corresponding to a plurality of directions, respectively;
a second electrode supported by the elastic supporting member and facing the plurality of first electrodes and configured to be displaceable toward the plurality of first electrodes when an external force is applied thereto;

a pressure-sensitive resistance member arranged between the plurality of first electrodes and the second electrode; and
a core member is disposed between the cover layer and the second electrode and
formed of rigid material arranged to permit independent movement thereof,
wherein the core member is individual to the at least one of the plurality of
sensors;

wherein the at least one of the plurality of sensors is capable of identifying the external force in a multidimensional direction based ~~on the basis of~~ detection of changes in resistance between the plurality of first electrodes and the second electrode, and wherein distribution of force applied to the cover layer is identified based ~~on the basis of~~ the forces identified by at least two of the plurality of the sensors.

5-12. (Cancelled)

13. (Previously Presented) The sensor sheet according to Claim 2, wherein a surface of the cover layer to receive the external force applied is formed to have substantially no projections and depressions.

14. (Previously Presented) The sensor sheet according to Claim 3, wherein a surface of the cover layer to receive the external force applied is formed to have substantially no projections and depressions.

15. (Previously Presented) The sensor sheet according to Claim 4, wherein a surface of the cover layer to receive the external force applied is formed to have substantially no projections and depressions.
16. (Previously Presented) The sensor sheet according to Claim 3, wherein the second electrode comprises a protrusion to contact the third electrode.
17. (Previously Presented) The sensor sheet according to Claim 3, wherein the at least one of the plurality of sensors comprises a insulating layer to cover the plurality of the first electrode.
18. (Previously Presented) The sensor sheet according to Claim 3, wherein the changes in capacitance is detected using the signal that is input to the plurality of first electrodes when the second electrode contacts the third electrode.